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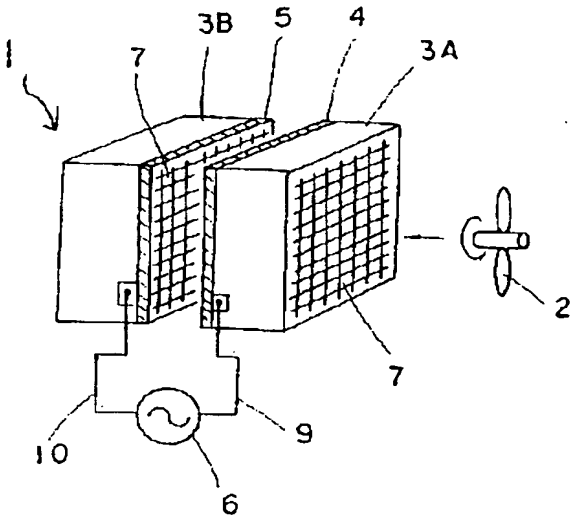
TITLE : STERILIZING/DEODORIZING DEVICE



ABSTRACT : PURPOSE: To sufficiently execute the sterilizing/deodorizing action by applying a high voltage to a pair of electrodes from a high voltage power source and generating ozone by electric discharge between both catalyst bodies.

CONSTITUTION: The sterilizing/deodorizing device 1 is like a rectangular parallelo-piped, and formed by placing opposingly a pair of catalyst bodies 3A, 3B provided with many through-holes 7 like a honeycomb at an interval, for instance, of about several mm to 10mm. Both the catalyst bodies 3A, 3B have a catalyst action for quickening the decomposition of a bad smell and ozone, and also, are formed so that an electric resistance value between both end faces becomes ≤ about 10MΩ, respectively by a material having conductivity. It is desirable that a resistance value between the parts positioned in at least the longest distance between both end faces of each of the above both catalyst bodies 3A, 3B satisfies the above value. On both opposed end faces of the above catalyst bodies 3A, 3B, electrodes 4, 5 made of a copper alloy, silver or aluminum, etc., are formed integrally by thermal spraying, etc. The surface of both the electrodes 4, 5 is coated with an insulating material of a resin or ceramics, etc.

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